

WHAT IS CLAIMED IS:

1. A multilayer sheet comprising at least one foamed propylene polymer layer and at
5 least one non-foamed polymer layer, wherein the non-foamed polymer layer
comprises a polymer comprising units derived from an 1-alkene monomer,
characterized in that multilayer sheet has properties which satisfy the following
relationships :

$$0.2 < T < 2 \quad (1a)$$

- 10 wherein T is the total thickness of the multilayer sheet measured according to
ASTM D645-97 expressed in millimetres; and

$$100 < G < 500 \quad (1b)$$

wherein G is the grammage of the multilayer sheet determined according to
ASTM D646-96 expressed in grams per square metre; and

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$$S \geq 2 \times 10^{-7} G^{3.1872} \quad (1c)$$

wherein S is the geometric mean bending moment of the multilayer sheet expressed
in milliNewton metres calculated from the following relationship :

$$S = (S_m S_c)^{0.5} \quad (1d)$$

- 20 wherein S_m is the maximum bending moment in the plane of the multilayer sheet
expressed in milliNewton metres and determined according to the two-point method
described in DIN 53121 : 1996-12 and S_c is the bending moment measured
perpendicularly to the direction of S_m in the plane of the multilayer sheet expressed
in milliNewton metres and determined according to the two-point method described
in DIN 53121 : 1996 -12.

- 25 2. The multilayer sheet of claim 1 wherein the geometric mean bending moment of the
multilayer sheet, S, satisfies the following relationship:

$$S \geq 0.0021 G^{1.7573} \quad (2).$$

3. The multilayer sheet according to claim 1 wherein the multilayer sheet comprises a crease.
4. The multilayer sheet of claim 3 wherein the average bending force F which is
5 required to maintain the angle of the crease at 90 degrees is less than 3 Newton.
5. The multilayer sheet according to any of the claims 1 - 4 wherein the multilayer sheet has a maximum sheet curl C of less than 20 millimetres.
6. The multilayer sheet according to any of the claims 1 - 5 wherein the non-foamed polymer layer comprises a polymer comprising units derived from propylene.
- 10 7. The multilayer sheet according to any of the claims 1 - 6 wherein the multilayer sheet is thermoformable.
8. An article comprising the multilayer sheet of any of the claims 1 - 7.
9. The article of claim 8 wherein the article is a packaging article.
10. The article of claims 8 or 9 wherein the article comprises at least one crease or score
15 mark.